

Differential Normalized Emission 1610 nm (dB)

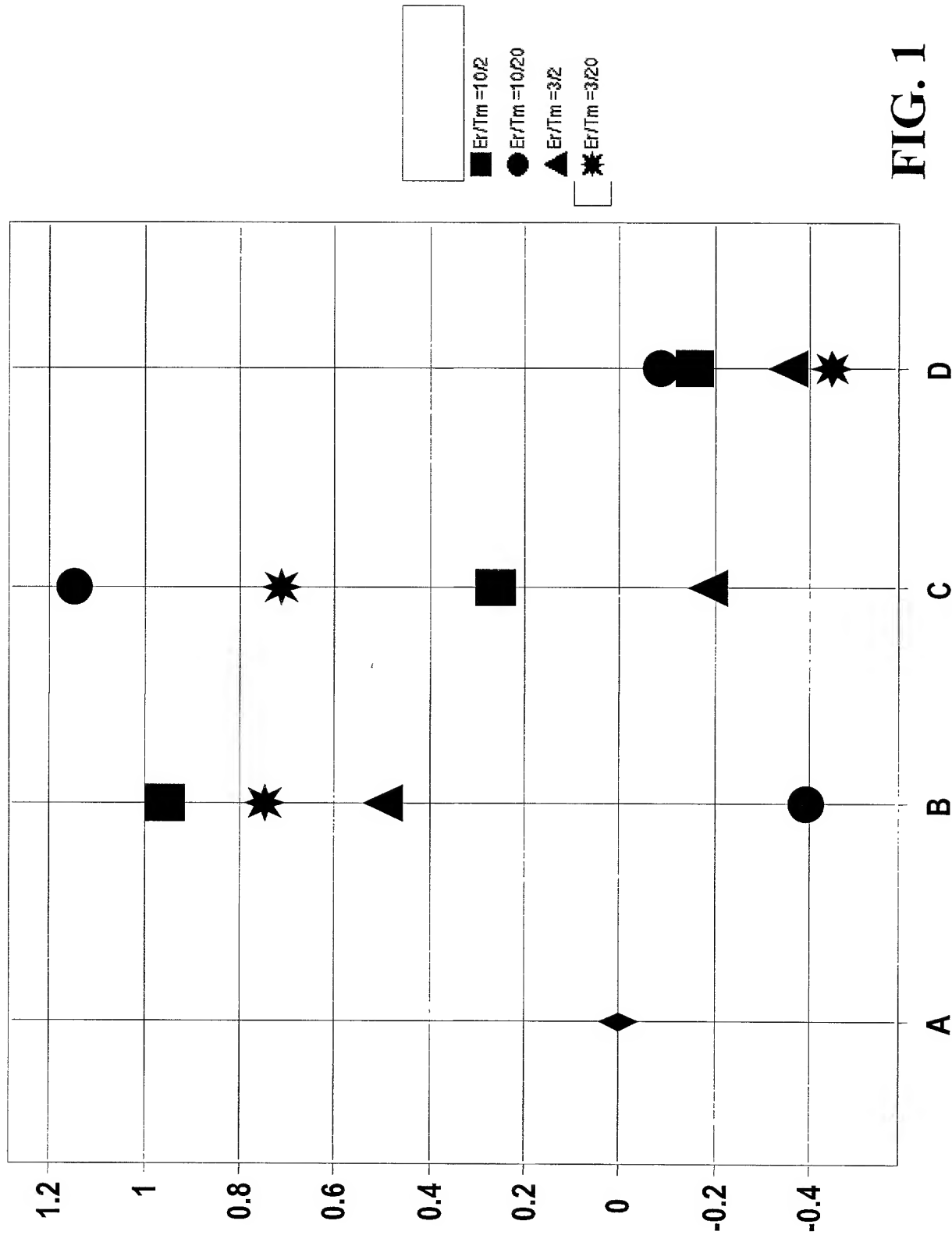


FIG. 1

Differential Normalized Emission 1630 nm (dB)

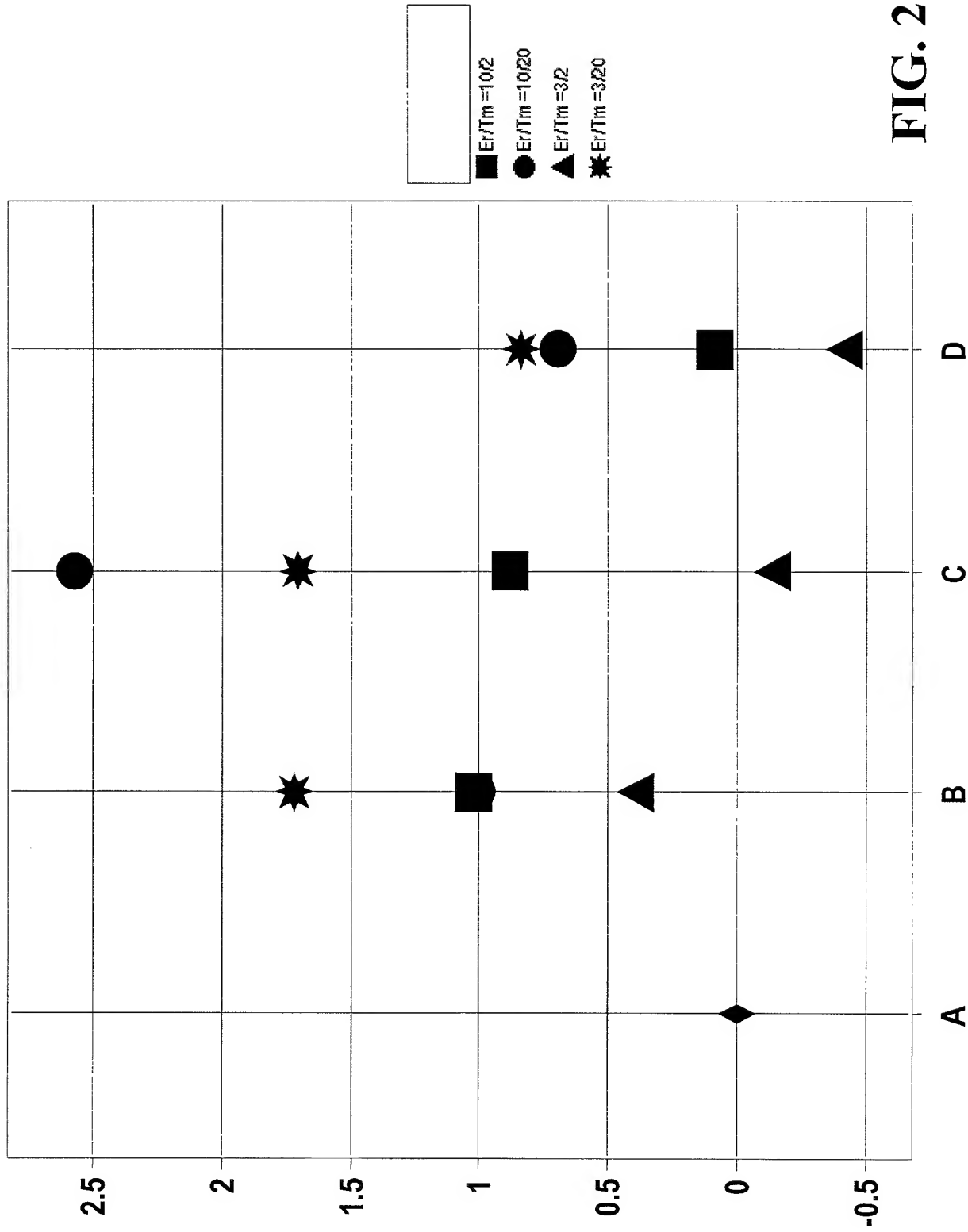


FIG. 2

Docket No./Serial No. (if known): 57421US002
Inventor(s): Mark T. Anderson, Craig R. Schardt, James R. Onstott, and Kent Budd
Title: A METHOD FOR MANUFACTURING SILICATE WAVEGUIDE COMPOSITIONS FOR EXTENDED L-BAND AND S-BAND AMPLIFICATION



Average Lifetimes vs Host and Er/Tm Ratios

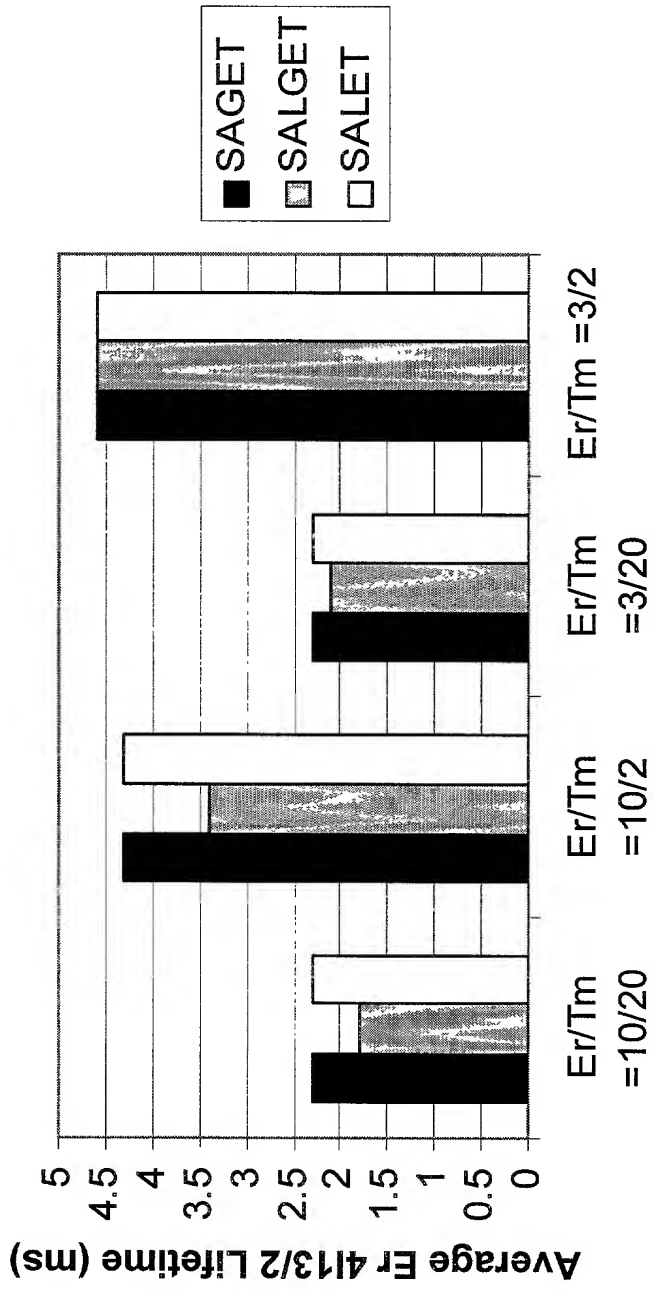


FIG. 4

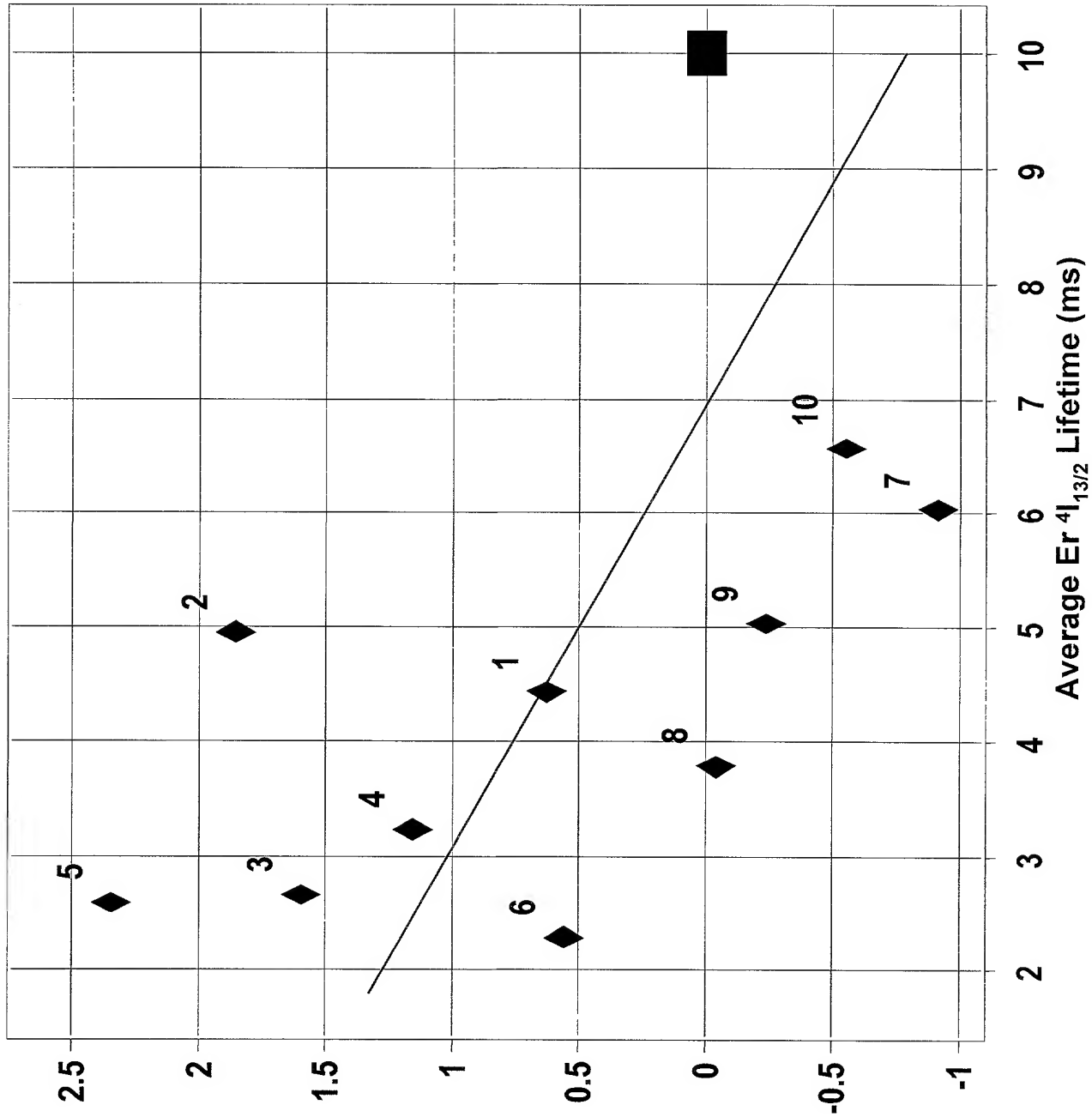


FIG. 5

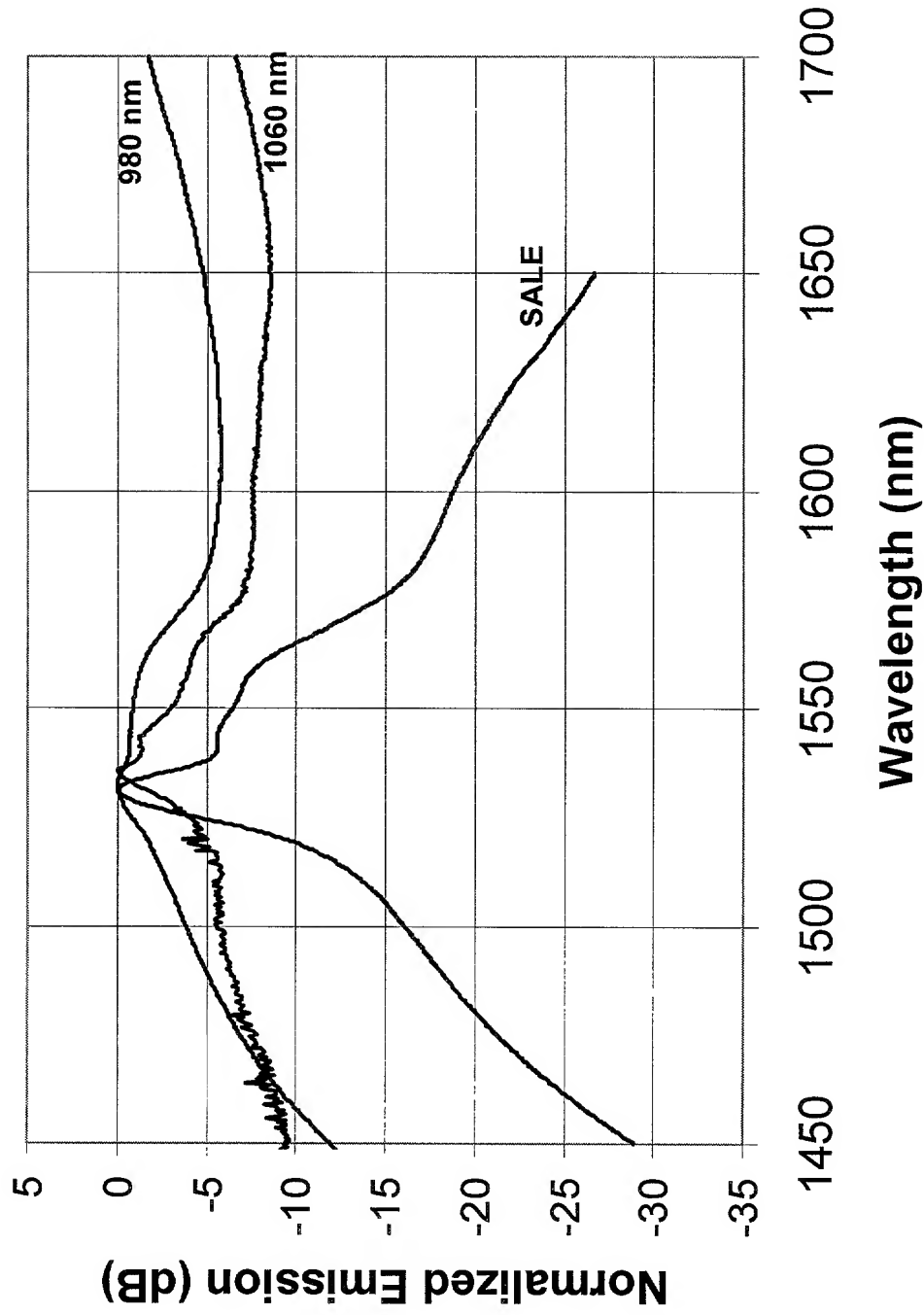


FIG. 6

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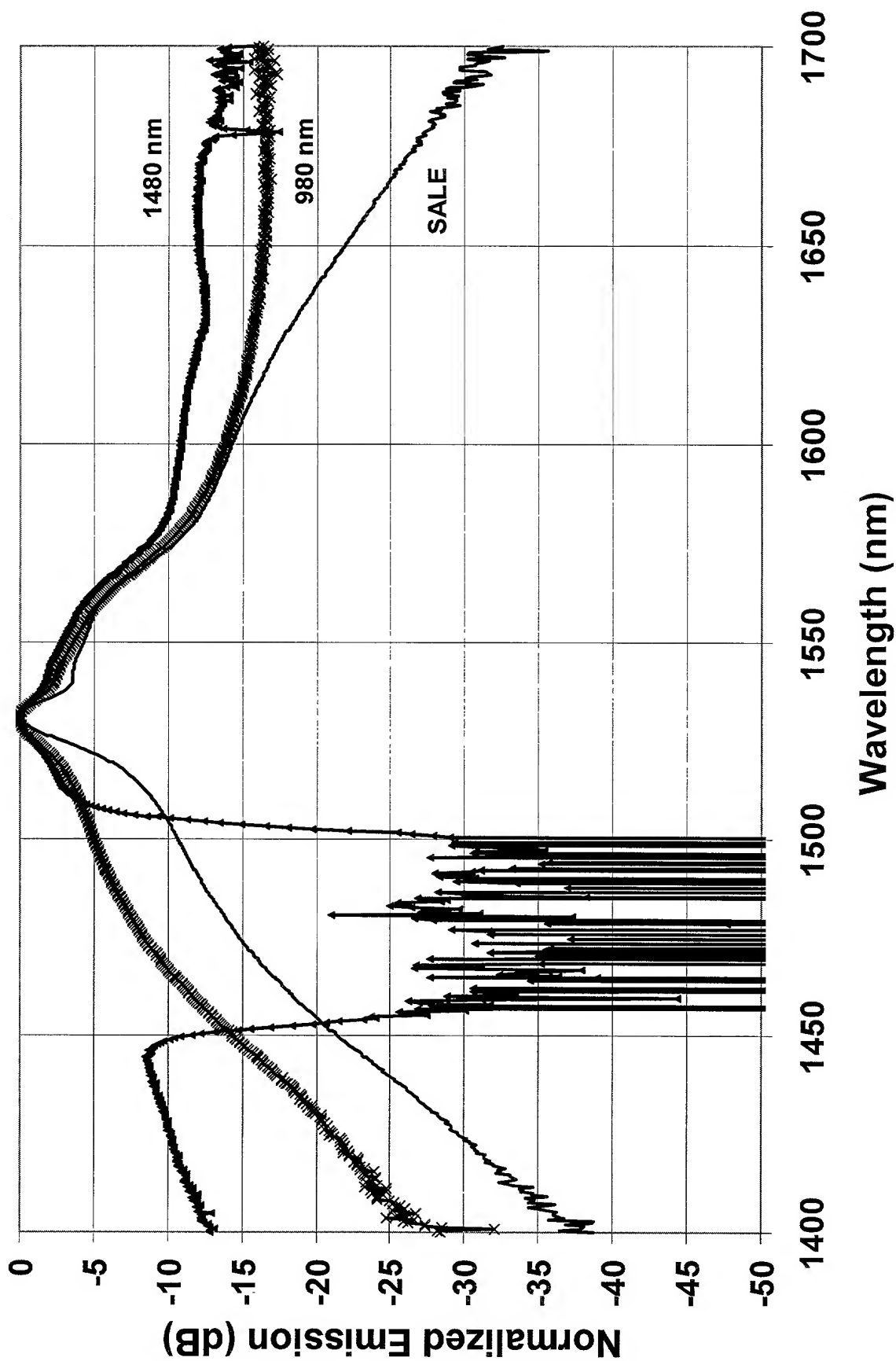


FIG. 7

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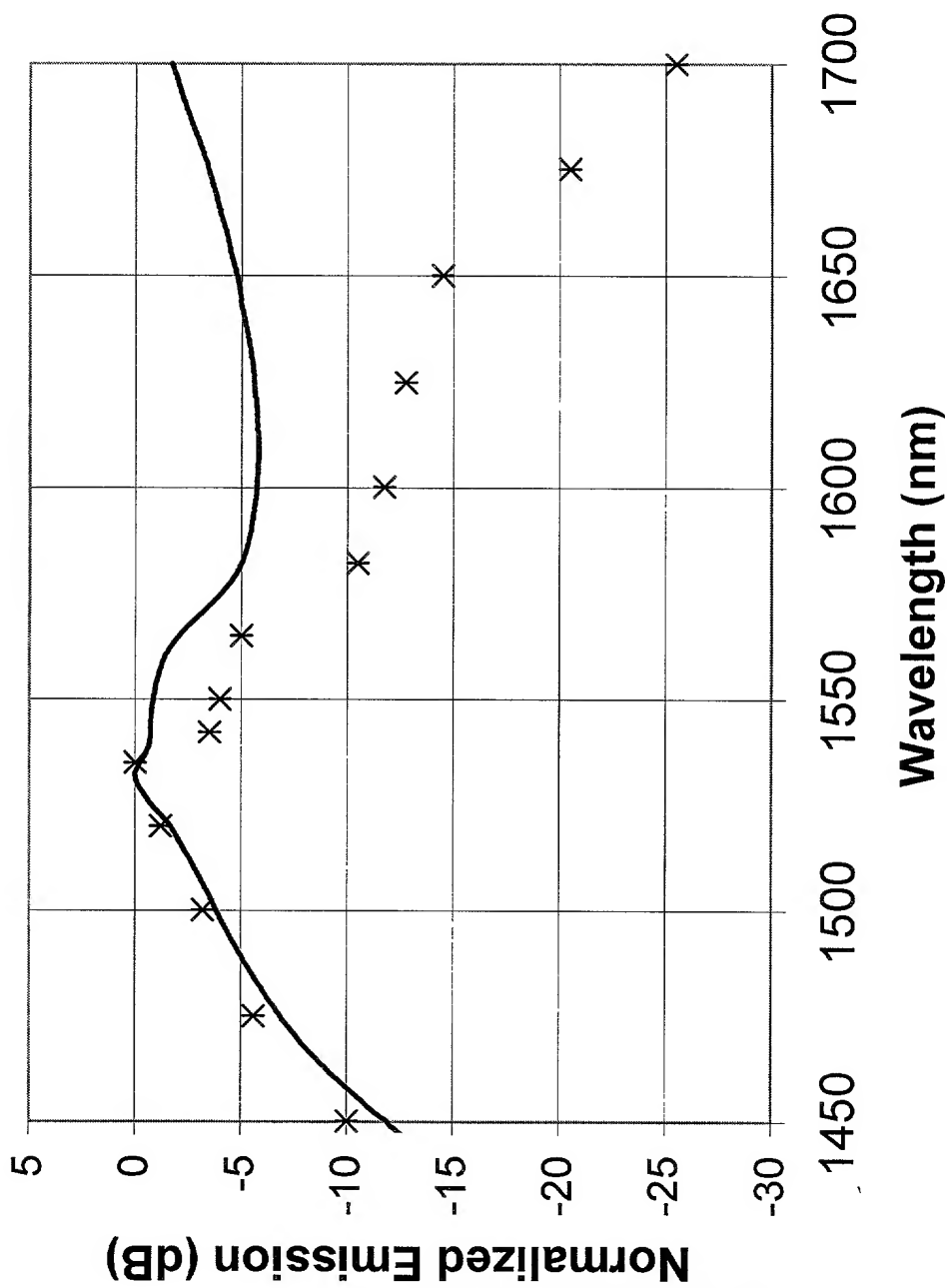


FIG. 8